

Connecting Working Scientifically and Working Technologically in a K-6 context

Explore and define a task:

What is Water Sensitive Urban Design? WSUD

How does it work?

What are the benefits?

Where can it be used?

Source: Where is Your Place in the Catchment? Upper Parramatta catchment Trust Booklet

Generate and develop ideas:

Design Task: Water Sensitive Urban Design WSUD @ Your School

Construct a design brief in small teams showing WSUD applied at your school.

What things do we need to consider to make our school water sensitive in urban design?

Develop design criteria that considers function, location in the school, environmental considerations and aesthetics

Select a design after research, testing and design development.

Plan the process considering constraints eg; time, finance, resources and expertise

Producing solutions:

Construct your design brief using appropriate tools, materials and techniques.

Develop a plan and specifications to guide production

Carry out ongoing evaluation throughout the process.

Evaluate:

Self and peer assessment of final product

Does it meet the design criteria?

Does it solve the stormwater/ Water sensitive urban design issue ?

What improvements could be made? Identify strengths and limitations of the process used.

What did you learn? ie, PMI chart.

Working Technologically – applying a design process